BBA

Gene Structure and Expression

Vol. 1131, 1992

Cumulative Contents

Review

Helix opening transitions in supercoiled DNA
A.I.H. Murchie, R. Bowater, F. Aboul-ela and D.M.J. Lilley (UK) 1

Regular Papers

De novo methylation of transfected CAT gene plasmid constructs in F9 mouse embryonal carcinoma cells
A. Hasse, W.A. Schulz and H. Sies (Germany) 16

Molecular cloning of monkey P450 1A1 cDNA and expression in yeast
M. Komori, O. Kikuchi, M. Kitada and T. Kamataki (Japan) 23

8-Methoxycaffeine inhibition of *Drosophila* DNA topoisomerase II
S. Tornaletti, A.H. Andersen, K. Christiansen and A.M. Pedrini (Italy, Denmark) 30

Topological state of DNA in polytene chromosomes
A.D. Gruzdev and M.A. Shurdov (USSR) 35

Posttranslational regulation of spermidine/spermine N^1-acetyltransferase with stress
M. Obayashi, I. Matsui-Yuasa, A. Kitano, K. Kobayashi and S. Otani (Japan) 41

Identification of a weak promoter for the *dam* gene of *Escherichia coli*
T.-H. Wu, E. Grelland, E. Boye and M.G. Marinus (USA, Norway) 47

Effects of analogs of the DNA minor groove binder Hoechst 33258 on topoisomerase II and I mediated activities
T.A. Beerman, M.M. McHugh, R. Sigmund, J.W. Lown, K.E. Rao and Y. Bathini (USA, Canada) 53

Characterization of transcription and processing from plasmids that use polIII and a yeast tRNA gene as promoter to transcribe promoterdeficient downstream DNA
C.A. Otter, J. Edqvist and K.B. Stråby (Sweden) 62

cDNA cloning and membrane topology of the rabbit gastric H^+/K^+-ATPase α-subunit
K. Bamberg, F. Mercier, M.A. Reuben, Y. Kobayashi, K.B. Munson and G. Sachs (USA) 69

Inhibition of endothelial cell prostaglandin H synthase gene expression by naproxen
T. Zyglewska, R. Sanduja, K. Ohashi, D.S. Loose-Mitchell, S.K. Sanduja and K.K. Wu (USA) 78

Isolation and characterisation of the mouse pyruvate dehydrogenase E1α genes
J. Fitzgerald, W.M. Hutchison and H.-H.M. Dahl (Australia) 83

Short Sequence-Papers

Genomic organization of the gene and a related pseudogene for a human folate binding protein
E. Sadasivan, M. Cedeno and S.P. Rothenberg (USA) 91

Analysis of a gene cluster coding for the *Xenopus laevis* U7 snRNA
S.C. Phillips and M.L. Birnstiel (Austria) 95

Molecular cloning of substance P receptor cDNA from guinea-pig uterus
V. Gorbulev, A. Akhundova, H. Luzius and F. Fahrenholz (Germany) 99

Molecular cloning and expression of *hsp82* gene of the dimorphic pathogenic fungus *Histoplasma capsulatum*
G. Minchiotti, S. Gargano and B. Maresca (Italy, USA) 103

Sequence and expression of rat ICAM-1
Y. Kita, T. Takashi, Y. Iigo, T. Tamatani, M. Miyasaka and T. Horiuchi (Japan) 108

Nucleotide and derived amino acid sequence of the subtilisin from the antarctic psychrotroph *Bacillus* TA39
E. Narinx, S. Davail, G. Feller and C. Gerday (Belgium) 111

Molecular cloning of dihydrolipoamide acetyltransferase of the rat pyruvate dehydrogenase complex: sequence comparison and evolutionary relationship to other dihydrolipoamide acyltransferases
S. Matuda, K. Nakano, S. Ohta, M. Shimura, T. Yamanaka, S. Nakagawa, K. Titani and T. Miyata (Japan) 114

cDNA sequence of the pregnancy-specific β_1-glycoprotein-11s (PSG-11s)

B.K. Brophy, R.E. MacDonald, P.A. McLenachan and B.C. Mansfield (New Zealand) 119

Two open reading frames (ORFs) identified near the hydrogenase structural genes in *Azotobacter vinelandii*, the first ORF may encode for a polypeptide similar to rubredoxins
J.C. Chen and L.E. Mortenson (USA) 122

Review

Straightening out the bends in curved DNA
P.J. Hagerman (USA) 125

Regular Papers

Ferritin mRNAs on rat liver membrane-bound polysomes synthesize ferritin that does not translocate across membranes
L. Tacchini, E. Rappocciolo, M. Ferrero, L. Schiaffonati and G. Cairo (Italy) 133

Histone H4 mRNA levels are down-regulated by 3′ RNA processing during terminal differentiation of myoblasts
D.E. Larson, I. Hoffmann, P. Zahradka, M.L. Birnstiel and B.H. Sells (Canada, Austria) 139

Differential regulation of kininogen gene expression by estrogen and progesterone in vivo
L.-M. Chen, P. Chung, S. Chao, L. Chao and J. Chao (USA) 145

Expression of *Xenopus laevis* histone H5 gene in yeast
P.S. Shwed, J.M. Neelin and V.L. Seligy (Canada) 152

Molecular cloning and expression in *Escherichia coli* of a cDNA clone encoding luciferase of a firefly, *Luciola lateralis*
H. Tatsumi, N. Kajiyama and E. Nakano (Japan) 161

Differential regulation of heme oxygenase isozymes by Sn- and Zn-protoporphyrins: possible relevance to suppression of hyperbilirubinemia
M.D. Maines and G.M. Trakshel (USA) 166

Molecular structure of the Cβ catalytic subunit of rat cAMP-dependent protein kinase and differential expression of Cα and Cβ isoforms in rat tissues and cultured cells
H. Shuntoh, N. Sakamoto, S. Matsuyama, M. Saitoh and C. Tanaka (Japan) 175

The Ku complex is modulated in response to viral infection and other cellular changes
J.P. Quinn, J. Simpson and A.R. Farina (UK, Italy) 181

Rapid Report

Elevation of metallothionein gene expression associated with hepatic copper accumulation in Long-Evans Cinnamon mutant rat
T. Yamada, Y. Suzuki, T. Agui and K. Matsumoto (Japan) 188

Short Sequence-Papers

A comparison of the flanking regions of the mouse cytotoxic cell proteinase genes
J.A. Prendergast, C.D. Helgason and R.C. Bleackley (Canada) 192

Identification of six open reading frames from a region of the *Azotobacter vinelandii* genome likely involved in dihydrogen metabolism
J.C. Chen and L.E. Mortenson (USA) 199

Sequence of the feline cardiac sarcoplasmic reticulum Ca^{2+}-ATPase
A.M. Gambel, T.N. Gallien, T. Dantzler-Whitworth, M. Bowes and D.R. Menick (USA) 203

Nucleotide sequence of the cynomolgus monkey apolipoprotein A-I gene and corresponding flanking regions
R.W. Murray and K.R. Marotti (USA) 207

A novel isoform of rat hepatocyte nuclear factor 4 (HNF-4)
S. Hata, T. Tsukamoto and T. Osumi (Japan) 211

Nucleotide sequence of rat vascular cell adhesion molecule-1 cDNA
A.J. Williams, R.C. Atkins, J.W.U. Fries, M.A. Gimbrone Jr., M.I. Cybulsky and T. Collins (USA, Australia) 214

Upstream region of a genomic gene for human mitochondrial transcription factor 1
K. Tominaga, S. Akiyama, Y. Kagawa and S. Ohta (Japan) 217

Human casein kinase II subunit α: sequence of a processed (pseudo)gene and its localization on chromosome 11
U. Wirkner, H. Voss, P. Lichter, S. Weitz, W. Ansorge and W. Pyerin (Germany) 220

Alternatively spliced annexin XI transcripts encode proteins that differ near the amino-terminus
C.A. Towle, L. Weissbach and B.V. Treadwell (USA) 223

Cloning and nucleotide sequences of two lipase genes from *Candida cylindracea*
S. Longhi, F. Fusetti, R. Grandori, M. Lotti, M. Vanoni and L. Alberghina (Italy) 227

Structure of *Drosophila virilis* glycerol-3-phosphate dehydrogenase gene and a comparison with the *Drosophila melanogaster* gene
H. Tominaga, T. Shiba and S. Narise (Japan) 233

Isolation and characterization of cDNA clones encoding the skeletal and smooth muscle *Xenopus laevis* β tropomyosin isoforms
S. Hardy and P. Thiebaud (France) 239

Corrigenda 243

Regular Papers

Subcellular distribution and activity of glucose transporter isoforms GLUT1 and GLUT4 transiently expressed in COS-7 cells
A. Schürmann, I. Monden, H.G. Joost and K. Keller (Germany) 245

Cloning, nucleotide sequence and expression in *Escherichia coli* of a lipase gene from *Bacillus subtilis* 168
V. Dartois, A. Baulard, K. Schanck and C. Colson (Belgium) 253

The strain-dependent constitutive expression of murine serum amyloid-P component is regulated at the transcriptional level
Y. Itoh, S. Takeuchi, K. Shigemoto, S. Kubo, S. Handa, N. Ishikawa and N. Maruyama (Japan) 261

Parameters that influence processive synthesis and site-specific termination by human immunodeficiency virus reverse transcriptase on RNA and DNA templates
J.J. DeStefano, R.G. Buiser, L.M. Mallaber, P.J. Fay and R.A. Bambara (USA) 270

Neonatal extinction of liver lipoprotein lipase expression
J. Peinado-Onsurbe, B. Staels, S. Deeb, I. Ramirez, M. Llobera and J. Auwerx (Belgium, Spain, USA, France) 281

cDNA cloning, sequencing, expression and possible domain structure of human APEX nuclease homologous to *Escherichia coli* exonuclease III
S. Seki, M. Hatsushika, S. Watanabe, K. Akiyama, K. Nagao and K. Tsutsui (Japan) 287

Secondary (non-GpC) binding sites for actinomycin on DNA
K. Waterloh and K.R. Fox (UK) 300

Rapid Reports

A rapid procedure for production of human basic fibroblast growth factor in *Escherichia coli* cells
Y. Ke, M.C. Wilkinson, D.G. Fernig, J.A. Smith, P.S. Rudland and R. Barraclough (UK) 307

Cationic liposomes enhance targeted delivery and expression of exogenous DNA mediated by N-terminal modified poly(L-lysine)-antibody conjugate in mouse lung endothelial cells
V.S. Trubetskoy, V.P. Torchilin, S. Kennel and L. Huang (USA) 311

Short Sequence-Papers

PCR detection of the rat brain basic fibroblast growth factor (bFGF) mRNA containing a unique 3′ untranslated region
A. El-Din El-Husseini, J.A. Paterson, Y. Myal and R.P.C. Shiu (Canada) 314

PCR cloning and nucleotide sequence determination of the 18S rRNA genes and internal transcribed spacer 1 of the protozoan parasites *Cryptosporidium parvum* and *Cryptosporidium muris*
J. Cai, M.D. Collins, V. McDonald and D.E. Thompson (UK) 317

Sequence and expression of a rat cDNA for LECAM-1
T. Watanabe, Y. Song, Y. Hirayama, T. Tamatani, K. Kuida and M. Miyasaka (Japan) 321

The primary structures of the flavodoxins from two strains of *Desulfovibrio gigas*. Cloning and nucleotide sequence of the structural genes
L.R. Helms and R.P. Swenson (USA) 325

The cDNA cloning and mRNA expression of rat protein C
T. Okafuji, K. Maekawa, K. Nawa and Y. Marumoto (Japan) 329

Molecular cloning and sequence analysis of human dipeptidyl peptidase IV, a serine proteinase on the cell surface
Y. Misumi, Y. Hayashi, F. Arakawa and Y. Ikehara (Japan) 333

Cloning and nucleotide sequence of the *Vibrio proteolyticus* aminopeptidase gene
G. Van Heeke, S. Denslow, J.R. Watkins, K.J. Wilson and F.W. Wagner (USA) 337

The isolation and characterization of rabbit motilin precursor cDNA
D.K. Banfield, R.T.A. MacGillivray, J.C. Brown and C.H.S. McIntosh (Canada) 341

Gene for 17α-hydroxylase/C (17–20) lyase *P*-450: complete nucleotide sequence of the porcine gene and 5′ upstream sequence of the rat gene
P. Zhang, T.F. Nason, X.-G. Han and P.F. Hall (Australia) 345

Primary sequence of −1436 to +53 bp of the rat preproenkephalin gene putative Z-DNA and regulatory motifs
R.C. Durkin, G. Weisinger, M.P. Holloway and E.F. La Gamma (USA) 349

Erratum 353

Cumulative Contents, Vol. 1131 355

Author Index 358